

ECP-103J

DMX Dimming Controller

【 User Manual 】



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Chapter 1 Introduction

1-1 Feature

- Standard DMX-512 signal.
- Press 【1...6】 number key to recall 6 chasers directly. (Hot key)
- Chaser function :
 1. Scene chaser.
 2. Change chaser speed.
- Change color mix mode of chaser.
- LCD display and easy to operate.
- Key lock / unlock function.
- Timer function.
- Timer scene function.
- Save up to 40 scenes.
- Save up to 6 chasers and 24 steps in each chaser.

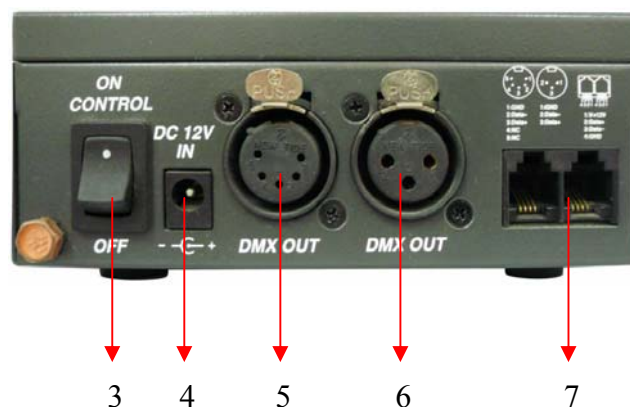
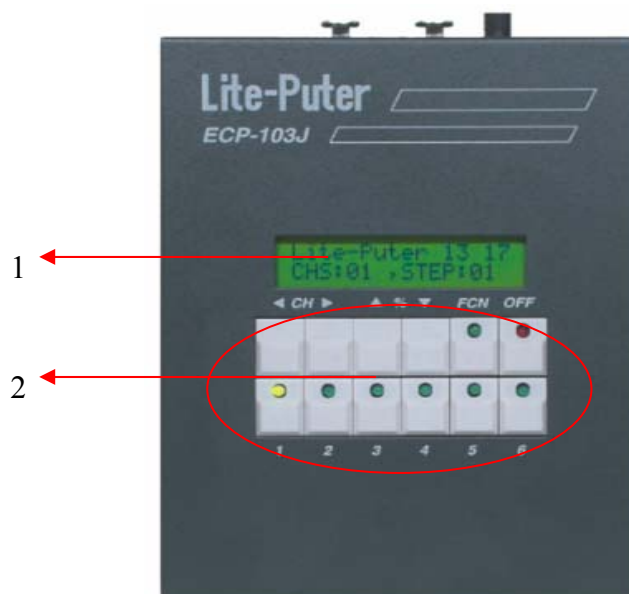
1-2 Specification

- Power supply: DC12V/1A
- Protocol : DMX-512
- Control channel: 60 channels
- Signal connector : XLR-3pin female (×1), XLR-5pin female (×1), phone jack J11(×2)
- Dimension : 126(W)x177(H)x54.5(D)mm
- Weight:0.8Kg

1-3 Dimension



1-4 Function



**Lite-Puter
ECP-103J [EUM-F]**

1	LCD display	5	XLR-5pin: DMX signal output
2	Function key and LED indicator	6	XLR-3pin: DMX signal output
3	ON/OFF switch	7	phone jack RJ11: DMX signal output
4	Power input: DC 12V		

Chapter 2 Operation

2-1 Memory Initialization

After turning off the device, press **【▲】** + **【▼】** + **【FCN】** + **【OFF】** at the same time, then turn on the device till LCD displays,

INITIATE MEMORY?
1: YES, 2: NO

Press **【1】** to initiate the memory ; press **【2】** to exit.

Notice: We recommend user to do the memory initialization at the first time use.

2-2 Key Lock&Unlock

Press **【FCN】** + **【OFF】** + **【◀】** + **【▶】** at the same time to lock or unlock the key. When the key in lock status, **【FCN】** , **【◀】** , **【▶】** , **【▲】** and **【▼】** are useless.

2-3 Scene Setting

Modify Scene

STEP-1 Press **【FCN】** and then press **【▲】** or **【▼】** to select F1.

→F1:MODIFY CH
F2:EDIT CHASER

STEP-2 Press **【FCN】** to modify the dimming value of the channels.

CH 01 ----- > 0%

STEP-3 Press **【◀】** or **【▶】** to modify the channel no., and press **【▲】** or **【▼】** to modify the their dimming value.

STEP-4 After setting, press **【FCN】** to save it. Then LCD will remind the user to record the setting to a scene; press **【▲】** or **【▼】** to select the scene from SC:001 to SC:040. Press **【1】** to save the setting or press **【2】** to exit and go back to the home page.

RECORD TO SC:00**1**
1: YES, 2: NO

Recall Scene

STEP-1 Press **【FCN】** then press **【▲】** or **【▼】** to select F7.

→F7: LOAD SC
F8:START DMX

STEP-2 Press **【FCN】** to enter the setting .

STEP-3 Press **【▲】** or **【▼】** to recall a scene from SC:001 to SC:040.

LOAD SC: 00**0**

STEP-4 Press **【FCN】** to exit.

2-4 Chaser Setting

Recall Chaser

Press **【1】** ~ **【6】** to recall each chaser directly .

Edit Chaser

STEP-1 Press **【FCN】** and then press **【▲】** or **【▼】** select F2.

F1:MODIFY CH
→F2:EDIT CHASER

STEP-2 Press **【FCN】** to enter the setting .

EDIT CHASER: 00**1**
1.NEXT, 2.QUIT

STEP-3 Press **【▲】** or **【▼】** to select a chaser from CHASER:001 to CHASER:006, then press **【1】** to edit the chaser or press **【2】** to quit.

STEP-4 Press **【◀】** to **【▶】** select a step from STEP 01 to 24; then press **【▲】**

or **【▼】** to select a scene from SC01~SC40 to each step.

STEP 01=SC 00**1**
Press ' Fnc' quit

Notice: After pressing **【FCN】** to enter next step setting, the setting of all the steps next to the current one will be deleted automatically.

STEP-5 Then press **【FCN】** to edit chaser mode and keep time.

CHASE SPED=0.1S
KEEP TIME=0.1S ◀▶

Press **【▲】** or **【▼】** to edit chaser speed from second 0.1 to 99 minute; press **【◀】** or **【▶】** to edit keep time from second 0.1 to 99 minute.

※ As to the keep time, please refer to the graph on the page 7.

STEP-6 Then press **【FCN】** to edit the chaser mode and fade mode.

CHASER MODE: 01 ▲▼
FADE:ON, OFF ◀▶

Press **【▲】** or **【▼】** to select the chaser mode; press **【◀】** or **【▶】** to turn on or turn off the fade.

※As to the chaser mode, please refer to the graph on the page 7.

STEP-7 Then press**【FCN】** and press **【▲】**or**【▼】**to set whether repeat the steps in a chaser or not.

REPEAT: ON, OFF

STEP-8 Press **【FCN】** to save the setting.

Notice: If there is no need to set step, it have another way to do the setting of chaser speed, keep time, chaser mode and fade.

STEP-1 Press **【1】 ~ 【6】** to select a chaser.

STEP-2 Press **【▲】** or **【▼】** to enter the chaser speed setting and then press **【▲】** or **【▼】** again to edit the speed from 0.1second to 99 minutes; press **【◀】** or **【▶】** to edit the keep time from 0.1 second to 10 seconds.

CHASE SPED=0.1S
KEEP TIME=0.1S ◀▶

STEP-3 Then press **【FCN】** to edit chaser mode and keep time.

CHASER MODE: 01 ▲▼
FADE:ON, OFF ◀▶

Press **【▲】** or **【▼】** to select the chaser mode; press **【◀】** or **【▶】** to turn on or turn off the fade.

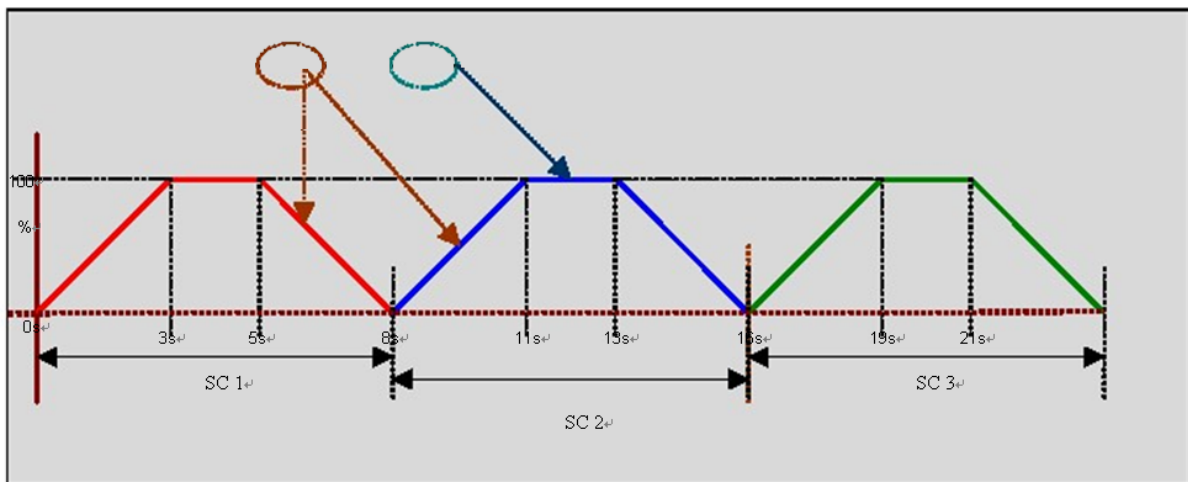
STEP-4 Then press **【FCN】** and press **【▲】** or **【▼】** to set whether repeat the steps in a chaser or not.

REPEAT: **ON**, **OFF**

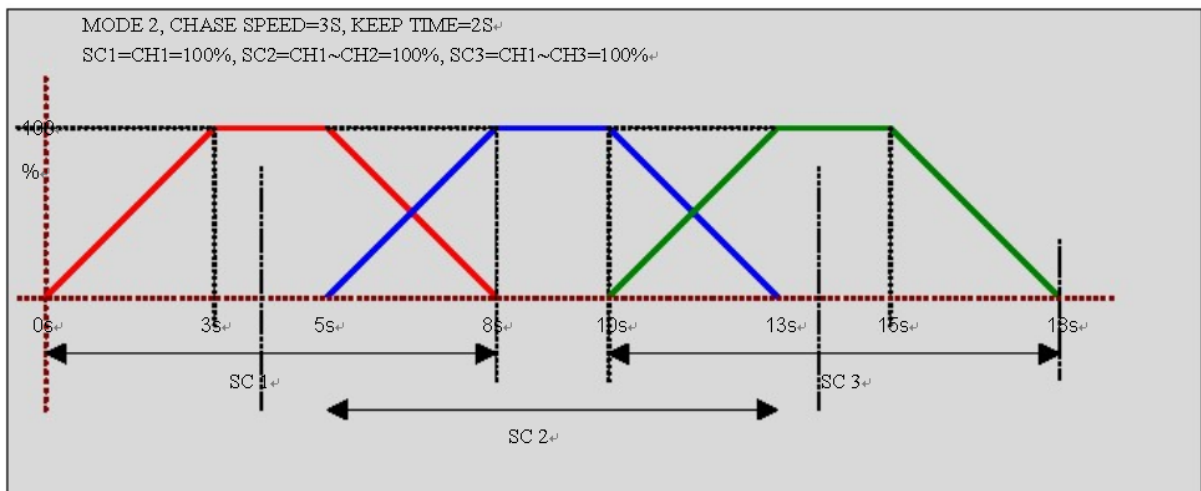
STEP-5 Press **【FCN】** to save the setting.

Notice: There are 4 chaser modes as below,

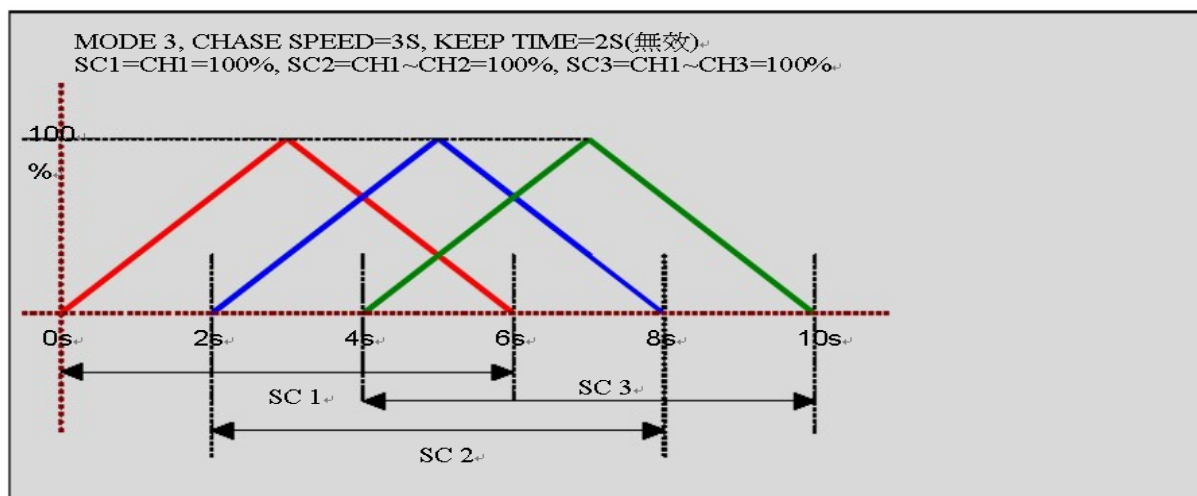
Chaser Mode1:



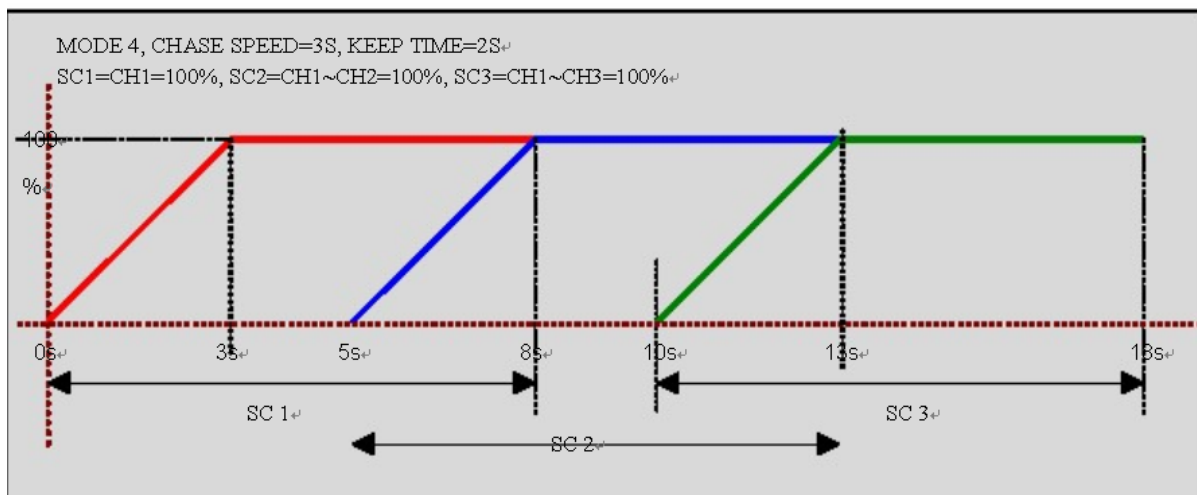
Chaser Mode 2:



Chaser Mode 3:



Chaser Mode 4:



2-5 Timer Setting

Turn on /off Timer

STEP-1 Press **【FCN】** and then press **【▲】** or **【▼】** to select F6.

→F6:TIMER ON/OFF

F7:LOAD SC

STEP-2 Press **【FCN】** to enter the setting.

STEP-3 Press **【▲】** or **【▼】** turn on or turn off the timer.

TIMER: ON, OFF

STEP-4 Press **【FCN】** to save the setting.

Notice: If the timer is turn on, the character T will blinking on the home page.

Add Timer

STEP-1 Press **【FCN】** and then press **【▲】** or **【▼】** to select F4.

→F4:EDIT TIMER
F5:MODIFY CLOCK

STEP-2 Press **【FCN】** to enter the setting.

==== END ====
<-,> REVIEW DAT

==== END ====
2DEL 3ADD 4EDIT

STEP-3 Press **【3】** to add a timer.

STEP-4 Press **【◀】** or **【▶】** move the mark to month setting then press **【▲】** or **【▼】** to edit the value.

01/01 00:00 MOD1
CHS=00, SPD=0.1S

STEP-5 Press **【◀】** or **【▶】** shift the mark to day setting then press **【▲】** or **【▼】** to edit the value.

01/01 00:00 MOD1
CHS=00, SPD=0.1S

STEP-6 Press **【◀】** or **【▶】** shift the mark to hour setting then press **【▲】** or **【▼】** to edit the value.

01/01 00:00 MOD1
CHS=00, SPD=0.1S

STEP-7 Press **【◀】** or **【▶】** shift the mark to minute setting then press **【▲】** or **【▼】** to edit the value.

```
01/01 00:00 MOD1
CHS=00, SPD=0.1S
```

STEP-8 Press **【◀】** or **【▶】** shift the mark to chaser mode setting then press **【▲】** or **【▼】** to select the mode.

```
01/01 00:00 MOD1
CHS=00, SPD=0.1S
```

STEP-9 Press **【◀】** or **【▶】** shift the mark to chaser setting then press **【▲】** or **【▼】** to select a chaser.

```
01/01 00:00 MOD1
CHS=00, SPD=0.1S
```

STEP-10 Press **【◀】** or **【▶】** shift the mark to chaser speed setting then press **【▲】** or **【▼】** to edit the speed.

```
01/01 00:00 MOD1
CHS=00, SPD=0.1S
```

STEP-11 Press **【◀】** or **【▶】** shift the mark to weekday setting then press **【▲】** or **【▼】** to edit each weekday; press **【◀】** or **【▶】** shift to next item.

```
WD:X.X.X.X.X.X
KEEP TIME=0.1S
```

STEP-12 Press **【◀】** or **【▶】** shift the mark to keep time setting then press **【▲】** or **【▼】** to edit the value.

```
WD:X.X.X.X.X.X
KEEP TIME=0.1S
```

STEP-13 Press **【FCN】** to save the setting.

Edit Timer

STEP-1 Press **【FCN】** and then press **【▲】** or **【▼】** to select F4.

```
→F4:EDIT TIMER
F5:MODIFY CLOCK
```

STEP-2 Press **【FCN】** to enter the setting.

```
===== END =====
<-,> REVIEW DAT
```

```
===== END =====
2DEL 3ADD 4EDIT
```

STEP-3 Press **【◀】** or **【▶】** review the timer and select one that need to edit, then press **【4】** to edit it.

STEP-4 The following steps are the same as the STEP 2- STEP 12 of the add timer part .

STEP-5 Press **【FCN】** to save the setting.

Delete Timer

STEP-1 Press **【FCN】** and then press **【▲】** or **【▼】** to select F4.

```
→F4:EDIT TIMER
F5:MODIFY CLOCK
```

STEP-2 Press **【FCN】** to enter the setting.

```
===== END =====
<-,> REVIEW DAT
```

```
===== END =====
2DEL 3ADD 4EDIT
```

STEP-3 Press **【◀】** or **【▶】** review the timer and select one that need to delete, then press **【2】** to delete it.

STEP-4 Then press **【1】** to save the setting ; press **【2】** to exit.

```
DEL THIS TIMER?
1: YES, 2: NO
```

2-6 System Time Setting

STEP-1 Press **【FCN】** and then press **【▲】** or **【▼】** to select F5.

```
F4:EDIT TIMER
→F5:MODIFY CLOCK
```

STEP-2 Press **【FCN】** to enter the setting.

STEP-3 Press **【▲】** or **【▼】** to edit the value of each item; press **【◀】** or **【▶】** to shift the mark among the items: year, month, day, weekday, hour, minute and second.

09' NOV, 30, MON.
14:43:28

STEP-4 Press **【FCN】** to save the setting.

2-7 Channel Setting

Maximum Channel Setting

STEP-1 Press **【FCN】** and then press **【▲】** or **【▼】** to select F3.

F2:EDIT CHASER
→F3:MAXIMUM CH

STEP-2 Press **【FCN】** to enter the setting.

STEP-3 Press **【▲】**, **【▼】** / **【◀】**, **【▶】** to edit the channel no. (Press **【▲】** or **【▼】** once to increase or decrease 10 channels; Press **【◀】** or **【▶】** once to increase or decrease 1 channel.)

MAXIMUM CH: 006

STEP-4 Press **【FCN】** to save the setting.

Turn Off Channel

Press **【OFF】** to turn off all the channel.

2-8 Start DMX Address Setting

STEP-1 Press **【FCN】** and then press **【▲】** or **【▼】** to select F8.

F7:LOAD SC
→F8:START DMX

STEP-2 Press **【FCN】** to save the setting.

START DMX CH: 001

STEP-3 Press **【▲】** or **【▼】** select the address from 001 to 512.

STEP-4 Press **【FCN】** to save the setting.

2-9 Back to Home Page

STEP-1 Press **【FCN】** and then press **【▲】** or **【▼】** till LCD displays as below,

F8:START DMX
→BACK HOMEPAGE?

STEP-2 Press **【FCN】** go back to home page.

Guarantee

Lite-Puter promises to fulfill the following acceptances:

1. Lite-Puter is only responsible for ECP-103J itself.
2. Lite-Puter guarantees to keep Lite-Puter's fault products caused by techniques, materials and any other logical reasons in good repair for free within a year since the distributing date.
3. We do not offer door-visiting service. If the trouble appears in Lite-Puter's products, please deliver the equipment to local distributors or Taipei headquarter.

*** Special Statement***

Any fault caused by false usage, imprudence (collision or inadequate installation) or force majeure factors are not in Lite-Puter's service.

Revision Record

Version	Record
F	Change format

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ECP-103J [EUM-F]

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